OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
		10482	
		419130	
		10482	
		1048	
		5557	
		697799	

Asst & Final

SBR/KSD/100/16-17/30/07/16

M. A. R. 57 (Rule 116)

Measurement Book

No. B 258230

Serial No. ..... Work in ward No. 8, Kodigehalli Overhead tanker each in ONE layer

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency ..... K. Anil Kumar BR-407/30/7/16

Date of commencement of work 25-05-2016

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Estimate cost: Rs. 15.00 Lakhs AS No. ADMP/CE/YNK/RL/73/15-16 dt. 14.12.2015 TS No. ADMP/CE/YNK/PL/233/15-16 dtd. 14.12.2015 Job No. 008-16-000021 WO No. CE/ATP/RDMP/E-PMT/237/15-16 dtd. 26.02.2016.						
1)	Measurement recorded on: 26-7-2016 clearing & grubbing bad including uprooting rain vegetation, grass, bushes etc as directed vide item No. (1) page 258202	-	-	-	-	5780.60 sqm Limited to 57 Cu.m	
			@ Rs	5.60	- - -	- Rs.	32256.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
24	Earthwork in surface excavation in ordinary soil, for levelling & lowering the ground manually to surface as directed & removing the excavated earth complete.						
	Adopt measurement in road passing from middle of park & proceeding towards Kottakolli main road.						
	At ch. 0 (101.157 + 101.230 + 101.160)/3	-	-	-	-	=	101.249M
	At ch. 5M (101.358 + 101.334 + 101.154 + 101.179 + 101.402)/5	-	-	-	-	=	101.268M
	At ch. 10M (101.356 + 101.238 + 101.210 + 101.265 + 101.287 + 101.290 + 101.254)/7					=	101.249M
	At ch. 15M (101.313 + 101.297 + 101.269 + 101.292 + 101.227 + 101.212)/6	-	-	-	-	=	101.303M
	At ch. 20M (101.252 + 101.180 + 101.177 + 101.252 + 101.307 + 101.240)/6					=	101.226M
	At ch. 25M (101.117 + 101.136 + 101.218 + 101.296 + 101.162)/5					=	101.186M

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	At ch. 30M (101.078 + 101.133 + 101.225 +
	At ch. 35M (101.064 + 101.112 + 101.218 +
	At ch. 40M. (100.003 + 101.049 + 101.110 +
	At ch. 45M (100.960 + 101.030 + 101.11
	At ch. 50M (100.954 + 100.069 + 101
	At ch. 55M (100.882 + 100.995 + 101.
	At ch. 60M (100.943 + 101.054 + 101.

OK

Depth 6	Contents 7	Reference to last Measurement 8
		= 101.249 M
		= 101.368 M
		= 101.249 M
		= 101.303 M
		= 101.226 M
		= 101.186 M

M. A. R. 57 (Rule 116)
Measurement Book

No. B 258231

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	At ch. 30M (101.018 + 101.133 + 101.225 + 101.226 + 101.179) / 5					=	101.165 M
	At ch. 35M (101.064 + 101.113 + 101.218 + 101.154) / 4					=	101.137 M
	At ch. 40M. (101.003 + 101.049 + 101.110 + 101.187 + 101.062) / 5					=	101.082 M.
	At ch. 45M (100.960 + 101.020 + 101.117 + 101.103 + 100.966) / 5					=	101.035 M
	At ch. 50M (100.954 + 100.969 + 101.141 + 101.049 + 100.904) / 5					=	101.023 M
	At ch. 55M (100.882 + 100.995 + 101.12 + 101.109 + 100.988) / 5						101.020 M
	At ch. 60M (100.943 + 101.054 + 101.121 + 101.15 + 100.988) / 5						101.059 M

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	At ch. 65M (100.578 + 100.890 + 101.002 + 101.208 + 101.167 + 101.864) / 6						101.118M
	At ch. 70M (100.529 + 100.976 + 101.086 + 101.127 + 101.028 + 100.950) / 6						100.959 100.959 M
	At ch. 75M (100.841 + 101.007 + 101.084 + 101.142 + 100.825 + 100.139) / 6						100.841 M
	At ch. 80M (101.003 + 101.020 + 101.081 + 101.045 + 100.901) / 5						101.010 M
	At ch. 85M (100.321 + 100.920 + 101.172 + 100.987 + 100.758 + 100.071) / 6						100.771 M
	At ch. 90M (100.659 + 101.025 + 100.699 + 100.859 + 100.559 + 100.263) / 6						100.628 M
	At ch. 95M (100.413 + 100.418 + 100.571 + 100.731 + 100.429) / 5						100.512 M
	At ch. 100M. (100.324 + 100.329 + 100.413 + 100.581 + 100.604 + 100.413) / 6						100.444 M

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	At ch. 105M (100.275 + 100.279 + 100.29
	At ch. 110M (100.210 + 100.220 + 100.2
	At ch. 115M (100.155 + 100.176 + 100
	At ch. 120M (100.077 + 100.065 + 100.
	At ch. 125M (99.755 + 99.967 + 99.85
	At ch. 130M (99.551 + 99.771 + 99.893 +

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
	+101.869)/6	- -	101.118M
	950)/6	- - -	100.959 100.959 M
	a159)/6	- - -	100.841M
	0.901)/5	- - -	101.010M
	+100.071)/6	- - -	100.771M
	59+100.263)/6	- -	100.678M
	92)/5	- - - -	100.512M
	+100.413)/6	- - -	100.444M

M. A. R. 57 (Rule 116)
Measurement Book

No. B

258232

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	At ch. 105M (100.275 + 100.279 + 100.291 + 100.565 + 100.526 + 100.472)/6					- - -	100.418M
	At ch. 110M (100.210 + 100.220 + 100.200 + 100.360 + 100.468 + 100.494)/6					- - -	100.326M
	At ch. 115M (100.155 + 100.176 + 100.118 + 100.191 + 100.271 + 100.462)/6					- - -	100.263M
	At ch. 120M (100.077 + 100.065 + 100.052 + 100.225 + 100.271 + 100.331)/6					- - -	100.170M
	At ch. 125M (99.755 + 99.967 + 99.952 + 99.971 + 100.111 + 100.149)/6					- - -	99.984M
	At ch. 130M (99.54 + 99.771 + 99.893 + 99.689 + 99.096 + 100.021)/6					- - -	99.667M

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	At ch. 135M (100.159+99.448+99.709+99.851+99.831+100.043) / 6					- - -	99.840M
	At ch. 140M (99.487+99.561+99.625+99.805+99.829+99.898+100.028)/7 =						99.746M
	At ch. 145M (99.619+99.528+99.693+99.870+99.759+99.814+99.824)/7:						99.721M

Quantity calculation & Earthwork

Ch.	Width(M)	Average Ave. level (M)	Average post level (M)	Diff in level (M)	Length (M)	Av. width (M)	Av. depth (M)	Quantity (cum)
0	15.0	102.773	101.349	1.424	—	—	—	—
5	33.0	102.861	101.368	1.493	5.0	24.0	1.459	175.130
10	33.0	102.914	101.349	1.565	5.0	33.0	1.530	252.450
15	33.0	102.735	101.303	1.432	5.0	33.0	1.499	247.250

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work			N
1	2			
Ch.	Width(M)	Av. fore level	Av. post level	
20	29.0	102.689	101.236	
25	23.0	102.667	101.186	
30	23.0	102.669	101.166	
35	23.0	102.605	101.137	
40	23.0	102.535	101.082	
45	23.0	102.564	101.035	
50	24.0	102.525	101.023	

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8
← 100.043) / 6			- - -	99.840 M
2M + 99.898 + 100.020) / 7 =				99.746 M
759 + 99.814 + 99.824) / 7 =				99.721 M
Earthwork				
gth M)	Av. width (M)	Av. depth (M)	Quantity (cum)	
—	—	—	—	
0	24.0	1.459	175.130	
0	33.0	1.530	252.446	
0	33.0	1.499	247.250	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

258233

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2			Dimensions				Contents 7	Reference to last Measurement 8
				Number 3	Length 4	Breadth 5	Depth 6		
Cu.	Width (M)	Av. pit level	Av. post level	Diff in level (M)	Length (cm)	Av. Breadth (cm)	Av. depth (cm).	Quantity (cum)	
20	29.0	102.689	101.226	1.453	5.0	31.0	1.447	223.580	
25	23.0	102.667	101.186	1.481	5.0	26.0	1.467	190.710	
30	23.0	102.669	101.166	1.503	5.0	23.0	1.492	171.580	
35	23.0	102.605	101.137	1.468	5.0	23.0	1.480	170.810	
40	23.0	102.535	101.082	1.453	5.0	23.0	1.461	167.950	
45	23.0	102.564	101.035	1.529	5.0	23.0	1.491	171.460	
50	24.0	102.525	101.023	1.502	5.0	23.50	1.516	178.070	

MEASUREMENT BOOK

Date	Full description, etc, of work			Dimensions				Contents	Reference to last Measurement
				Number	Length	Breadth	Depth		
1	2			3	4	5	6	7	8
Ch (M)	width (M)	Av. pre level (M)	Av. post level (M)	diff in level (M)	length (M)	Av. width (M)	Av. depth (M)	quantity in cum	
55	24.0	102.460	101.020	1.440	5.0	24.0	1.471	176.520	
60	24.0	102.459	101.059	1.400	5.0	24.0	1.420	170.400	
65	29.0	102.563	101.118	1.445	5.0	26.5	1.423	188.480	
70	29.0	102.422	100.959	1.463	5.0	29.0	1.454	210830	
75	26.0	102.271	100.841	1.430	5.0	27.5	1.446	198,990	
80	26.0	102.480	101.010	1.470	5.0	26.0	1.450	188.490	
85	27.0	102.224	100.771	1.453	5.0	26.5	1.462	193.640	
90	26.0	102.186	100.678	1.508	5.0	26.5	1.481	196.160	
95	27.0	102.031	100.512	1.519	5.0	26.5	1.514	200.530	
100	28.0	101.855	100.444	1.411	5.0	27.50	1.465	201.430	

Serial No. .....
Name of Work .....
Name of Contractor of nature
Date of commencement of w

Date	Full description, et	
1	2	
Ch (M)	width (M)	Av. pre Level (M)
105	29.00	101.88
110	29.0	101.82
115	30.0	101.67
120	30.0	101.54
125	30.0	101.36
130	31.0	101.0
135	31.0	101.210
140	32.0	101.207
145	33.0	101.188

NT BOOK

ensions		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
Av. width (cm)	Av. depth (cm)	quantity in cum	
24.0	1.471	176.520	
24.0	1.420	170.400	
26.5	1.423	188.480	
29.0	1.454	210.830	
27.5	1.446	198.570	
26.0	1.450	188.490	
26.5	1.462	193.640	
26.5	1.481	196.160	
26.5	1.514	200.530	
27.50	1.465	201.430	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

258234

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work			Dimensions				Contents	Reference to last Measurement
				Number	Length	Breadth	Depth		
1	2			3	4	5	6	7	8
cm (cm)	width (cm)	Av. fore level (cm)	Av. post level (cm)	diff in level (cm)	Length (cm)	Av. width (cm)	Av. depth (cm)	quantity in cum	
105	29.00	101.882	100.418	1.464	5.0	28.50	1.478	204.840	
110	29.0	101.821	100.326	1.505	5.0	29.00	1.485	215.250	
115	30.0	101.674	100.263	1.411	5.0	29.50	1.458	215.050	
120	30.0	101.540	100.170	1.370	5.0	30.0	1.391	208.570	
125	30.0	101.380	99.984	1.376	5.0	30.0	1.373	205.950	
130	31.0	101.065	99.667	1.399	5.0	30.50	1.288	211.590	
135	31.0	101.310	99.840	1.470	5.0	31.0	1.435	222.340	
140	32.0	101.207	99.746	1.461	5.0	31.50	1.466	230.810	
145	33.0	101.188	99.721	1.467	5.0	32.50	1.464	237.960	

Seen

Dt: 30/7/16.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Total quantity =			5826.670 cum	
	In survey no. 52,	1	$111.60 \left(\frac{15+17}{2}\right)$		1.0	1785.60	
			Total quantity	=		7612.270 cum.	
	deduct 15% for voids	= (-)				1141.850 "	
			Net Earthwork quantity =			6470.420 cum	
			Limited to			6048.000 cum	
			@ Rs. 145/-	-	-	= Rs. 876960.00 =	
3)	Load for disposal of debris shall be paid at casting rates by Mechanical Mean						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	including loading e... ...ork item No. (2)
1) 2) 3)	Certificate the work is ... the contractor ... there are no depa...

28/7

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		5826.620 cum	
(17/2)	1.0	1785.60	
		7612.220 cum.	
		1141.850 "	
		6470.420 cum	
		6048.00 cum	
		= Rs. 87 6960.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

258235

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	including loading & unloading etc vide Item No. (2) of this page					6048.0 cum	
	@ Rs. 72/-					= Rs.	435456.00
	Total Bill Amount = Rs						1344672.00

Certificate

1) The work is completed satisfactorily
2) The contractor has cleared the debris using his own vehicle.
3) There are no departmental issues to this work.

28/7/16

29/07/16

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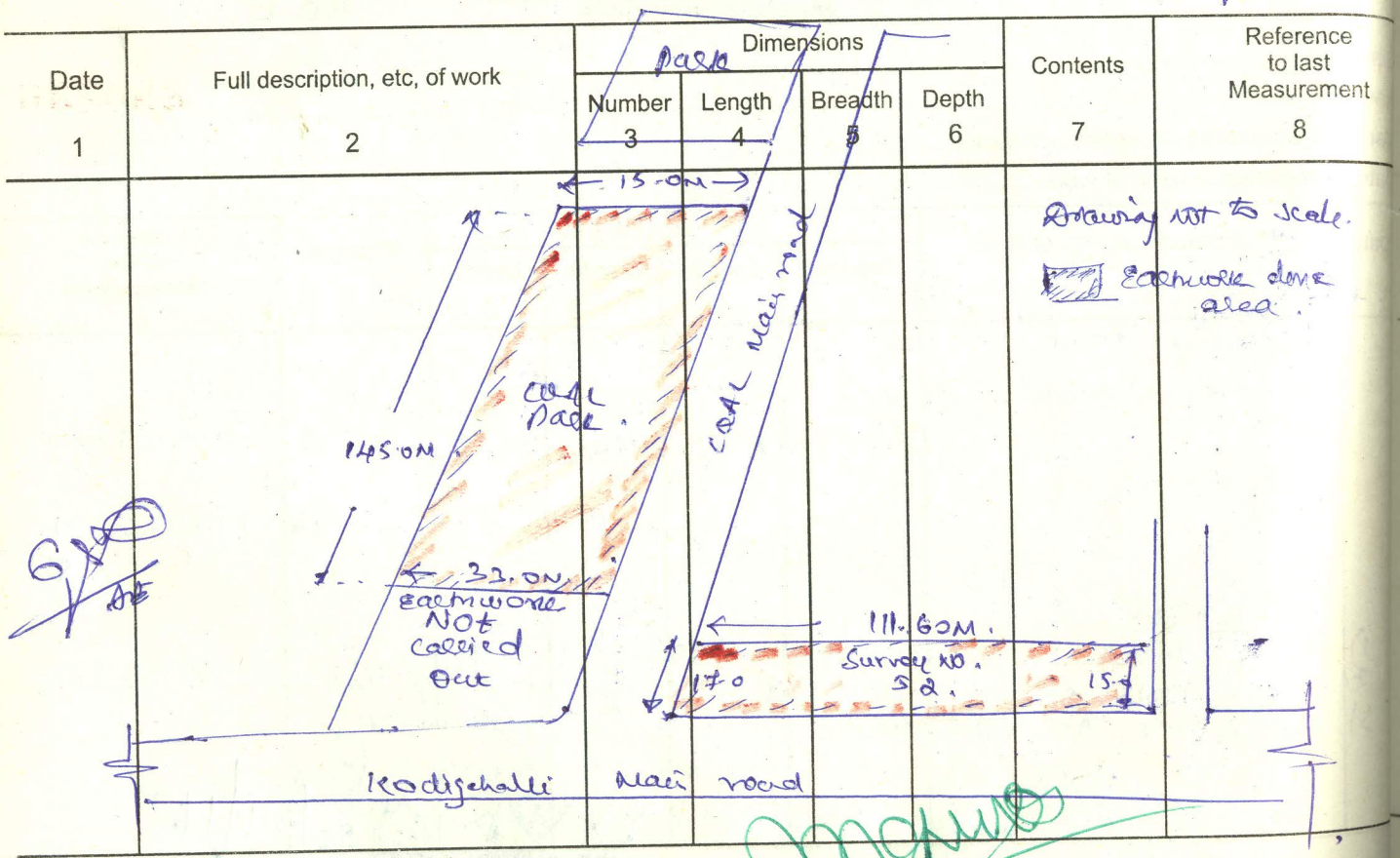
ಆಡಳಿತ ಉಪವಿಭಾಗ

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

Serial No. BP-407 / 21

Name of Work ...

Name of Contractor of nature of Agen

Date of commencement of work ...

Date	Full description, etc, of work
1	2

Audited & Admi

126

and Rs 8

Krishna

Accts Su

Byatarayan

Basic

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		Drawing not to scale.	
		Earthwork done area.	
		111.60M. Survey No. 52. 15.4	

ಸಹಾಯಕ ಅಭಿಯಂತರರು

RP-407 20/7/16

M. A. R. 57 (Rule 116
Measurement Book

No. B

258236

Serial No. .....

Name of Work ..... From .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Audited & Admitted to Rs 134670-00					ST-13448-00	
	1252634-00 Dv					VAT-53790-00	
	and Rs 82036-00 Dv					LWF-1344-00	
	Srinivas Prasad K Accts Supdt Bvatarayanapura Dn Bglr					CSS-1350-00	
	Byatarayanapura Sub Dn BBMP					17/8/16 Refunded-82036-00	